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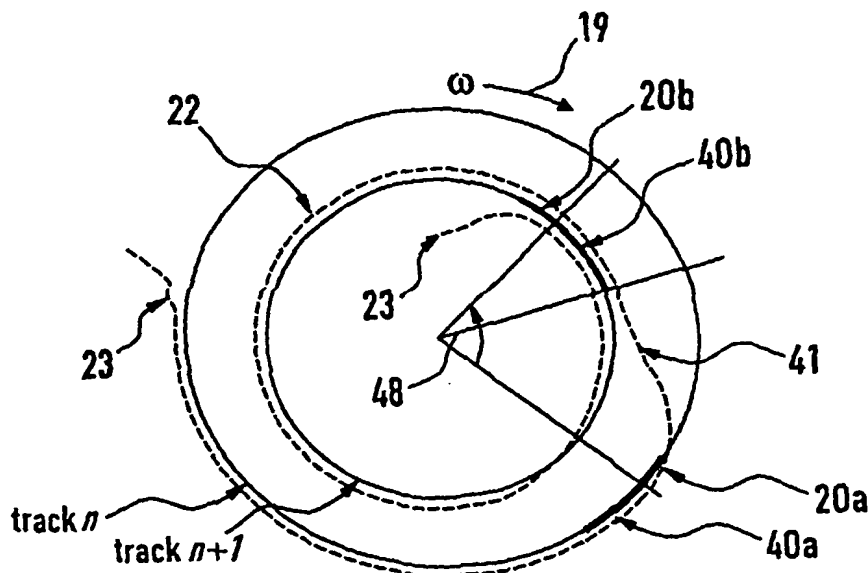
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(54) Title: DATA STORAGE APPARATUS AND METHOD FOR HANDLING A DATA STORAGE APPARATUS



(57) Abstract: Real-time audio video applications require guaranteed request service times from a hard disc drive. This requirement is not always fulfilled due to some unexpected delays in service times. One of the causes of such delay is the replacement of defective or bad sectors. By putting spare sectors on each track and extending the track skew in combination with read-and-write-on-arrival strategies it is possible to prevent extra delays in service times due to replacement of sectors.



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